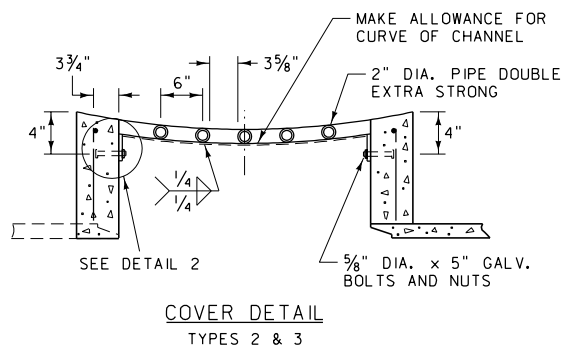
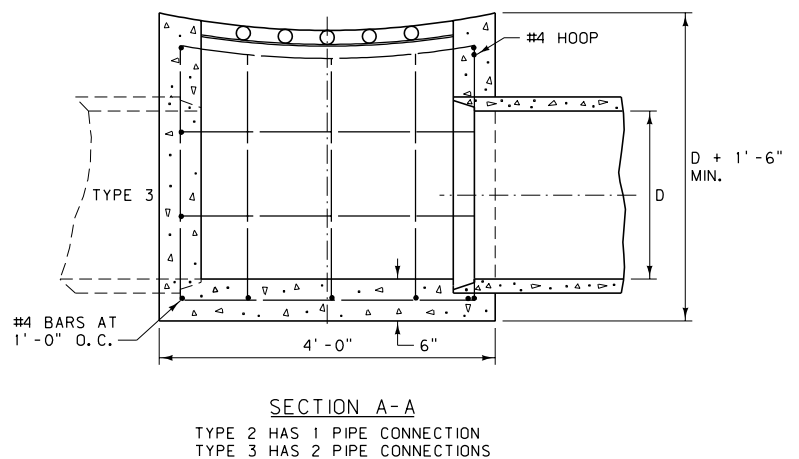
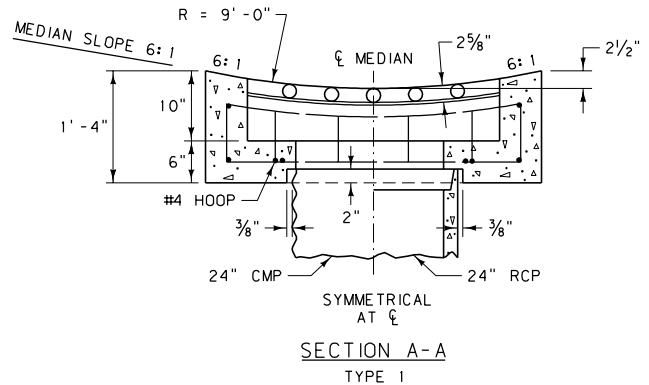


NOTE:
WHEN MEDIAN INLET COVER IS INSTALLED OVER PIPES LARGER THAN 36", WITHOUT ADEQUATE COVER TO PERMIT THE USE OF TYPE 1 INSTALLATION, PROVIDE A DETAIL OF THE INSTALLATION IN THE PLANS.



TYPE	GRATE AND REINFORCING STEEL (LB.) *		
	CMP AND RCP		
	24"	30"	36"
1	50	~	~
2	85	95	105
3	85 ⊗	95 ⊗	105 ⊗
GRATE	165	185	210

* QUANTITIES ARE FOR ESTIMATING PURPOSES ONLY.
⊗ TYPE 3 IS A SPECIAL CASE TO BE FIGURED FOR THE PARTICULAR INSTALLATION.

TYPE	CLASS "DD" CONC. OR EQUAL (C.Y.) *					
	24"		30"		36"	
	CMP	RCP	CMP	RCP	CMP	RCP
1	0.4	0.4	~	~	~	~
2	1.0	1.0	1.1	1.0	1.2	1.1
3	0.9 ⊗	0.9 ⊗	1.0 ⊗	0.9 ⊗	1.0 ⊗	0.9 ⊗

NOTE:
PAINT ALL EXPOSED METAL PARTS WITH ONE COAT OF ZINC RICH PAINT AND TWO COATS OF ALUMINUM PAINT IN ACCORDANCE WITH SECTION 710 OF THE STANDARD SPECIFICATIONS.



DETAILED DRAWING	
REFERENCE STANDARD SPEC. SECTION 604	DWG. NO. 604-00
MEDIAN INLET COVER	
EFFECTIVE: FEBRUARY 2005	
 MONTANA DEPARTMENT OF TRANSPORTATION	

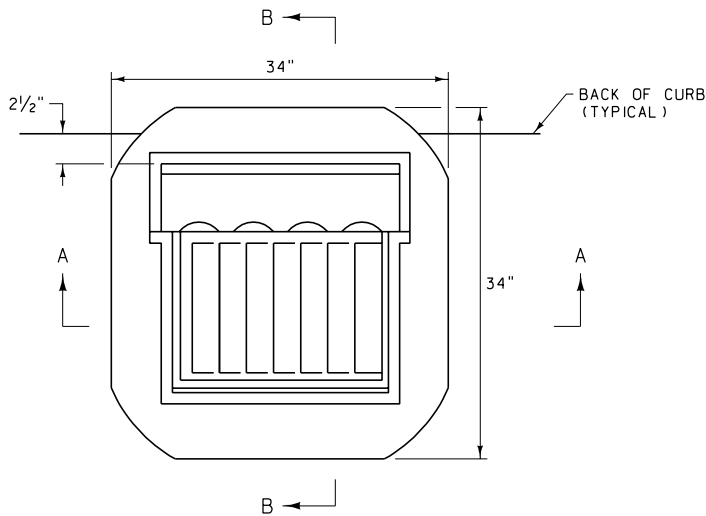
Diagram of Section A-A of a circular structure. The structure is composed of concentric layers. The outermost layer is labeled "6\"". The next layer inward is labeled "5\"". The innermost layer is labeled "3\"". The central cavity is labeled "48\"". The structure is divided into three horizontal sections: "SHELF" (top), "CHANNEL" (middle), and "SHELF" (bottom). The structure is shown in cross-section, with a horizontal line passing through the center. The label "SECTION A-A" is at the bottom.

Diagram illustrating a cross-section of a trench for a pipe. The trench is shown with a 4% slope on both sides. A circular pipe is positioned in the center. Below the pipe, a concrete base is shown, labeled "CONC. BASE TO BE POURED IN FIELD OR PRECAST". The base is indicated to be 0.5 DIA. OF PIPE. The trench walls are shown with a stippled pattern, and the base is also stippled. A label "PIPE" points to the pipe itself.

USE MANHOLE STEPS THAT ARE METALLIC AND COATED WITH COPOLYMER POLYPROPYLENE, OR AN APPROVED EQUAL. THE MINIMUM DESIGN LIVE LOAD FOR A SINGLE CONCENTRATED LOAD IS 300 POUNDS.

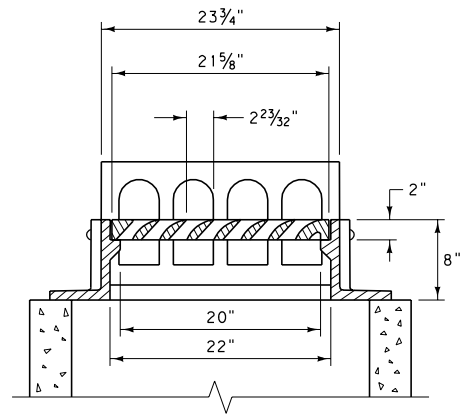
Diagram illustrating the reinforcement layout for a circular pile. The pile has a central hole labeled "24" OR 27" HOLE". The reinforcement consists of a grid of bars. Labels indicate "2 EXTRA BARS IN BOTTOM" at the top and "1 EXTRA BAR IN BOTTOM" on the right side.

DETAILED DRAWING	
REFERENCE	DWG. NO.
STANDARD SPEC.	604-02
SECTION 604, 711	
CONCRETE MANHOLE	
EFFECTIVE: FEBRUARY 2005	
 <i>serving you with pride</i>	MONTANA DEPARTMENT OF TRANSPORTATION

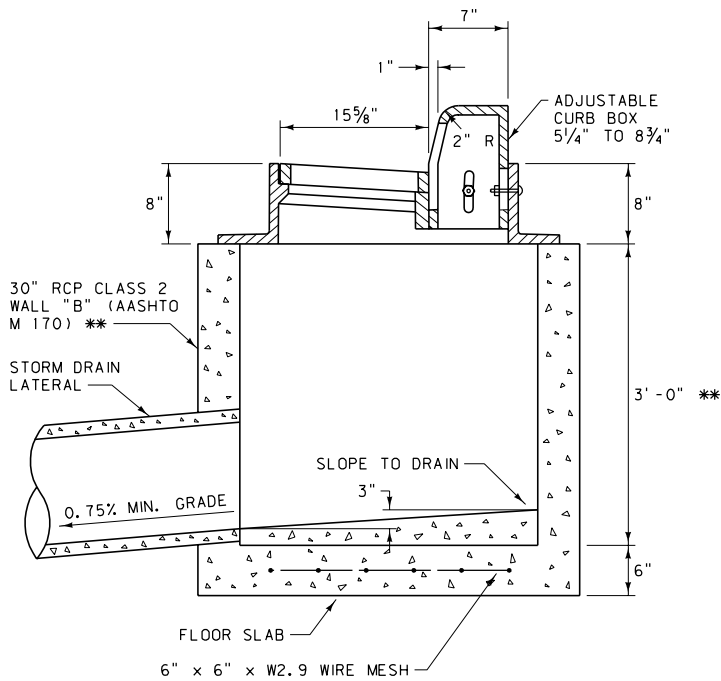


PLAN

NEENAH FOUNDRY R-3286-8V (JUNE 1992
REVISION) OR APPROVED EQUAL (VANE STYLE)



SECTION A-A

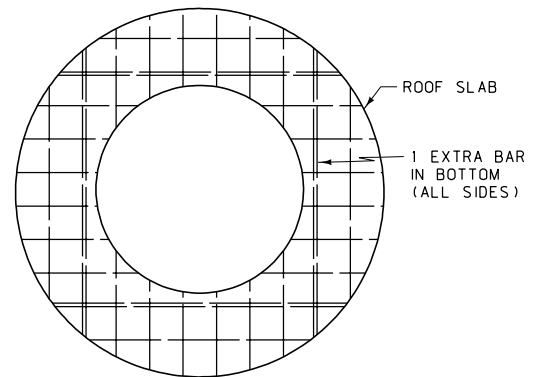
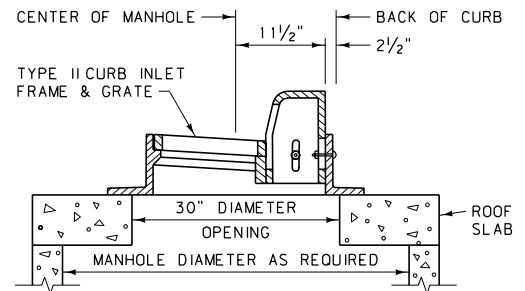


SECTION B-B

** STANDARD UNLESS OTHERWISE NOTED ON THE PLANS.

NOTE:
ALL CONCRETE IS CLASS "DD" OR
APPROVED EQUAL.

COMBINATION



ROOF SLAB

SEE DETAILED DRAWING NO. 604-02 FOR DIAMETER,
SLAB THICKNESS AND REINFORCING REQUIREMENTS
FOR COMBINATION TYPE 3 MANHOLE, TYPE II CURB
INLET.

DETAILED DRAWING

REFERENCE	DWG. NO.
STANDARD SPEC.	604-03
SECTION 604	

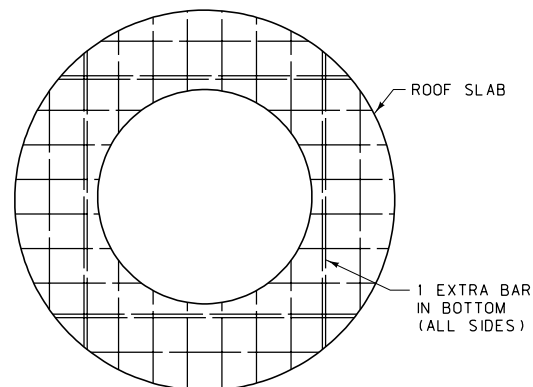
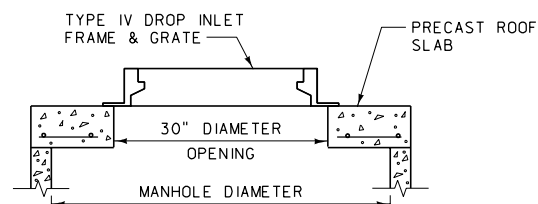
CURB INLET
TYPE II

EFFECTIVE: FEBRUARY 2005

MDT MONTANA DEPARTMENT
OF TRANSPORTATION
serving you with pride




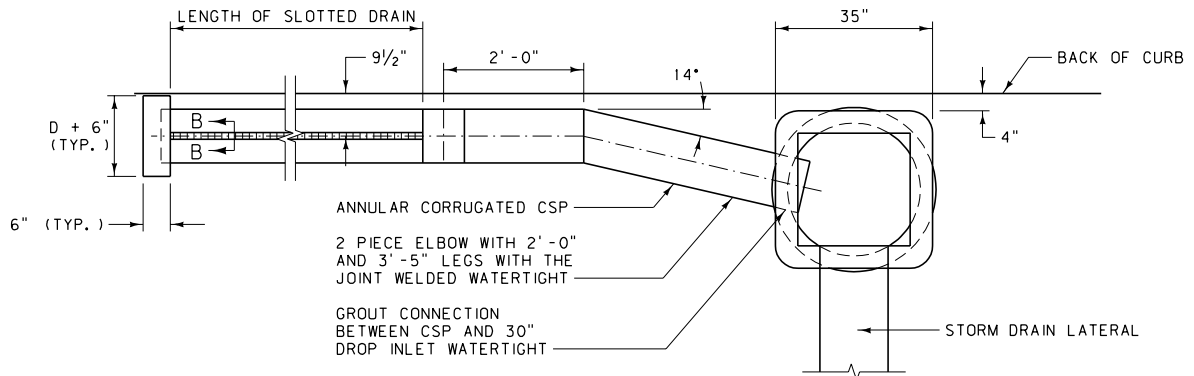
COMBINATION



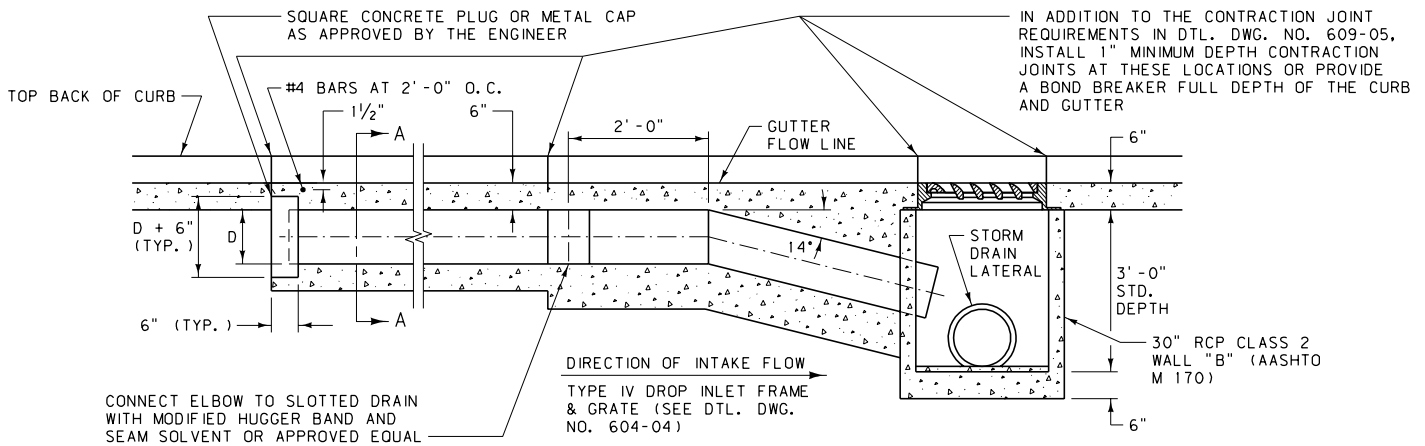
ROOF SLAB

SEE DETAILED DRAWING NO. 604-02 FOR DIAMETER,
SLAB THICKNESS AND REINFORCING REQUIREMENTS
FOR COMBINATION TYPE 3 MANHOLE, TYPE IV DROP
INLET.

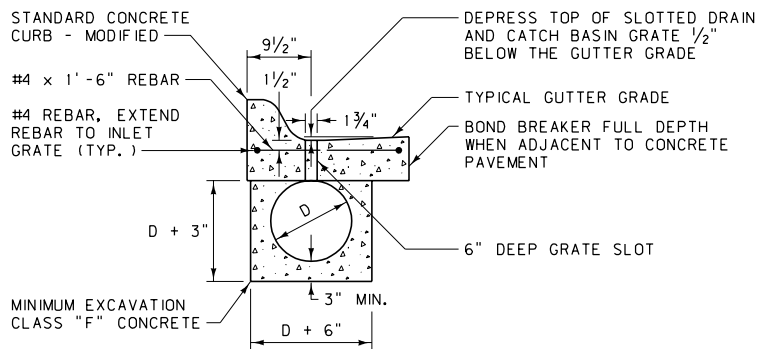
<p align="center">DETAILED DRAWING</p>	
<p>REFERENCE STANDARD SPEC. SECTION 604</p>	<p>DWG. NO. 604-04</p>
<p align="center">DROP INLET TYPE IV</p>	
<p>EFFECTIVE: FEBRUARY 2005</p>	
<div>  <p>MDOT <i>serving you with pride</i></p> </div> <div> <p>MONTANA DEPARTMENT OF TRANSPORTATION</p> </div>	



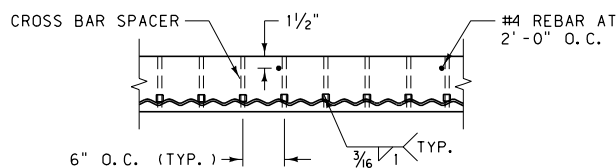
PLAN



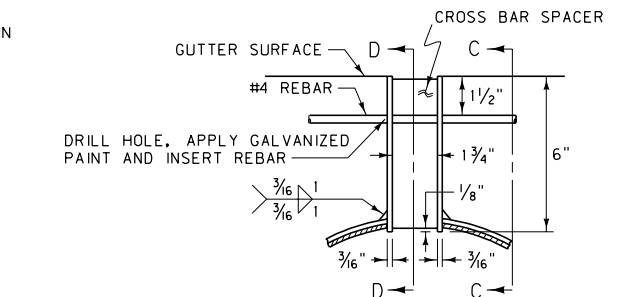
ELEVATION



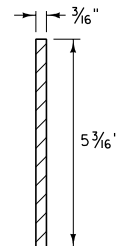
SECTION A-A



SECTION C-C
GRATE SLOT WELDING DETAIL



SECTION B-B
GRATE SLOT DETAIL




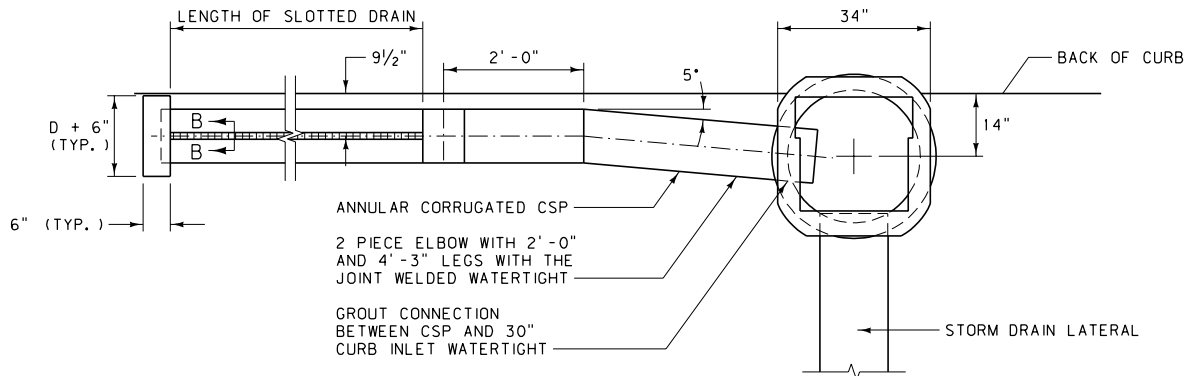
SECTION D-D
CROSS BAR SPACER

NOTES:

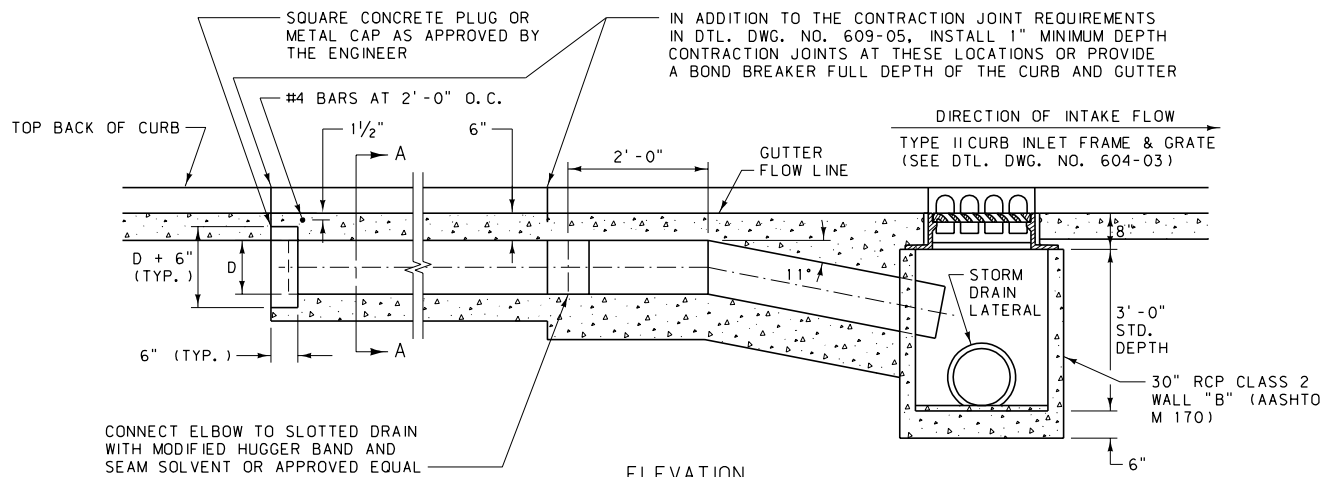
PAINT ALL WELDS AND OTHER NON-GALVANIZED PARTS, EXCEPT REBAR IN ACCORDANCE WITH STD. SPEC. SECTION 710.

USE A 15 OR 30 POUND ROOFING FELT MATERIAL, OR OTHER PRODUCT AS APPROVED BY THE ENGINEER, FOR A BOND BREAKER.

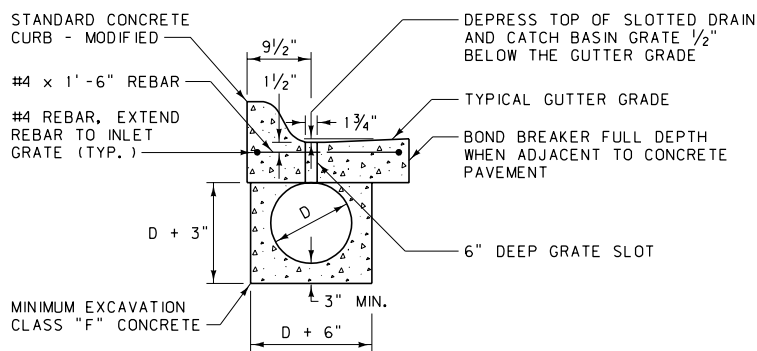
DETAILED DRAWING	
REFERENCE	DWG. NO.
STANDARD SPEC.	604-06
SECTION 604	
TYPE IV DROP INLET WITH SLOTTED DRAIN	
EFFECTIVE: FEBRUARY 2005	
 MONTANA DEPARTMENT OF TRANSPORTATION	



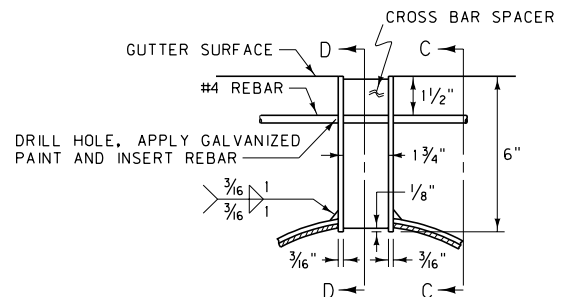
PLAN



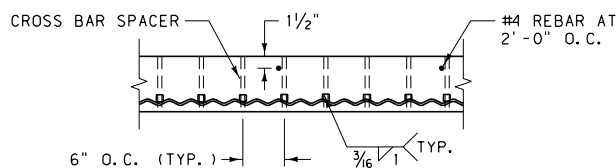
ELEVATION



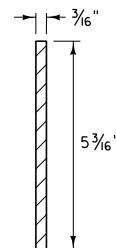
SECTION A-A



SECTION B-B
GRATE SLOT DETAIL



SECTION C-C
GRATE SLOT WELDING DETAIL




SECTION D-D
CROSS BAR SPACER

NOTES:

PAINT ALL WELDS AND OTHER NON-GALVANIZED PARTS, EXCEPT REBAR IN ACCORDANCE WITH STD. SPEC. SECTION 710.

USE A 15 OR 30 POUND ROOFING FELT MATERIAL, OR OTHER PRODUCT AS APPROVED BY THE ENGINEER, FOR A BOND BREAKER.

DETAILED DRAWING	
REFERENCE	DWG. NO.
STANDARD SPEC.	604-08
SECTION 604	
TYPE II CURB INLET WITH SLOTTED DRAIN	
EFFECTIVE: FEBRUARY 2005	
 MONTANA DEPARTMENT OF TRANSPORTATION	

